

From: Matthews, Lisa [/o=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=47122F6AD7DB43B8953AC69696DB9719-MATTHEWS, LISA]
Sent: 6/21/2018 6:49:53 PM
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[/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user28664131];
Shannon Pociu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user749bbaca]; [Personal Matters / Ex. 6] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ecd46f9881a04a9ea6327065f7bb29d9-
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[/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user33830cf0]; Matt Prater [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user4b4c5a8a];
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[Personal Matters / Ex. 6] Jessica Godreau [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userccd09ea2]; [Personal Matters / Ex. 6]
[Personal Matters / Ex. 6] Clark Freise [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user1ece0bad]; [Personal Matters / Ex. 6]
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Fagel, Jason R (DEC) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user114ad136]; [Personal Matters / Ex. 6]
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[Personal Matters / Ex. 6] Chuck Schwer
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(FYDIBOHF23SPDLT)/cn=Recipients/cn=user973ed993];

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[/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user301a2eda]; Mick Kuhn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user16da610];

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Orme-Zavaleta, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3c5a111dc377411595e5b24b5d96146b-Orme-Zavaleta, Jennifer]; Morris, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=55c34872e6ea40cab78be910aec63321-Morris, Jeff]; Cherepy, Andrea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c52459ab00fd4f0eae85c32cdc9c73dd-ACHerepy]; Burden, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=aca392a7aea849bfbce1fdb1a1ed88e-Burden, Susan]; Mattas-Curry, Lahne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4369134369c4390991cf783c5c578aa-Mattas-Curry, Lahne]; Hubbard, Carolyn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2a93ce3245494318b109e87f7d826284-Hubbard, Carolyn]; Menghrajani, jacquelyn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe15a33505784356b3a8c34ade3c8c51-JHAYES02]; Zambrana, Jose [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=88e570833823499c9bd33b7e782845ac-Zambrana, Jose]; Gaines, Linda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4997ab5b3fb248e2b3dab289acd408b1-Gaines, Linda]; Evangelista, Pat [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1eb5bd80722148c38da8a524f8a5db8a-Evangelista, Pat]; Impellitteri, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a2b830d5f8c64e99aa47f508e871ffd4-Impellitteri, Christopher]; Caporale, Cynthia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=41a46d7389e84eaab7d4727c1c5604f1-Ccaporal]; Fitz-James, Schatzi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=91ad13b033f14eda8364bde00eafa8c-Fitz-James, Schatzi]; Raffaele, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cc48281bbab34bf5bf3ab1a63780d5ca-Kathleen Raffaele]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Sinks, Tom [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=001007b7d256453a8a19b91df704e22c-Sinks, Tom]; Watkins, Tim [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cbd1c572f584fd7b0a3b5945f118558-Watkins, Tim]; Buckley, Timothy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=197a3461d9824a17850f34cc2b0b37fe-Buckley, Timothy]; Sonich-Mullin, Cynthia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e634d93d2e0741aaaba1a04e14b347a6-Sonich-Mullin, Cynthia]; Gilliland, Alice [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=27ce1fdb154d448fa46ba4c656463213-Gilliland, Alice]; McDonald, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17003b4c25c64e73a7d540402ded38a8-McDonald, James]; Gettle,

Jeaneanne [/o=ExchangeLabs/ou=Exchange Administrative Group
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 Shawneille [/o=ExchangeLabs/ou=Exchange Administrative Group
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(FYDIBOHF23SPDLT)/cn=Recipients/cn=1772a8d7f6554ec79861c6225bd2507d-Speth, Thomas]; Breyse, Patrick N.
(CDC/ONDIEH/NCEH) [Personal Matters / Ex. 6]; Cibulas, William (ATSDR/OADS) [Personal Matters / Ex. 6]

Subject: RE: talking point - differences between ATSDR's MRL and EPA's Health Advisory

Sharing PFAS Toxicological Profile Key Messages:

https://www.atsdr.cdc.gov/docs/PFAS_Public_KeyMessages_June20_Final-508.pdf

From: Matthews, Lisa

Sent: Wednesday, June 20, 2018 5:54 PM

To: [Personal Matters / Ex. 6]

Personal Matters / Ex. 6

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Subject: talking point - differences between ATSDR's MRL and EPA's Health Advisory

As follow-up to today's ECOS-EPA PFAS Call, pasted below is a talking point developed by EPA and CDC/ATSDR:

What are the differences between ATSDR's MRL and EPA's Health Advisory?

Federal agencies have a variety of tools that provide federal, state, tribal, and local governments; health professionals; and the public with information about how a chemical might affect a person's health. All of them can be used together to create a more complete picture of how to assess health risks and protect people from future exposures.

ATSDR's MRLs and EPA's Health Advisories (HAs) are two different tools that are used in different situations. MRLs are intended to be used to help public health professionals determine areas and populations potentially at risk for health effects from exposure to a particular chemical. An MRL is an estimate of the amount of a chemical a person can eat, drink, or breathe each day without a detectable risk to health. MRLs are unique to each substance. These are used as screening levels by public health professionals. MRLs do not define regulatory or action levels for ATSDR, nor for other agencies. When health assessors find human exposures are occurring at higher than the set MRL, it means that they may want to look more closely at the human exposures. It does not mean that people will become sick from those exposures. ATSDR may work with EPA at a national or regional level to more fully examine these exposures. MRLs and HAs are presented in different units because MRLs are daily doses while HAs are concentrations. Mg/kg/day is a unit of daily dose, while ppt is a unit of concentration.

Drinking water HAs, on the other hand, provide information on contaminants that can cause human health effects and are known or anticipated to occur in drinking water. EPA uses reference doses (RfDs) to develop HAs. RfDs estimate a daily exposure to the human population (including sensitive subgroups, such as infants) that is likely to be without an appreciable risk of harmful effects *during a lifetime*. HAs are non-enforceable and provide technical guidance to states agencies and other public health officials who have the primary responsibility for overseeing drinking water systems, with information on the health risks of chemicals, so they can take the appropriate actions to protect their residents from harmful exposure.

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